



# NUCLEAR SECURITY SUMMIT 2014

## NATIONAL PROGRESS REPORT

### BRAZIL

#### INTERNATIONAL LEGAL FRAMEWORK

Brazil is finalizing the necessary inter-ministerial consultations with a view to submitting the 2005 Amendment to the Convention on the Physical Protection of Nuclear Material (CPPNM) to Legislative approval, as a further step to its participation in all relevant international conventions on the promotion of nuclear security and the suppression of terrorism.

#### CONTRIBUTION TO IAEA NUCLEAR SECURITY-RELATED ACTIVITIES

Brazil has been supporting several IAEA activities in the field of nuclear security, including the elaboration of the Nuclear Security Series documents, the sponsorship of regional courses in Latin America and the Caribbean (4 of which since 2009), the organization of national workshops and the appointment of experts to missions. Brazil has actively participated in the Joint Task Force of the Commission of Safety Standards and the Advisory Group on Nuclear Security to discuss the synergy between nuclear safety and security.

#### ENHANCE EFFORTS IN COMBATING THE ILLICIT TRAFFICKING OF NUCLEAR AND RADIOLOGICAL MATERIALS

Brazil contributes to the IAEA Incident Trafficking Database (ITDB) and the IAEA Nuclear Security Information Portal (NUSEC). At the regional level, it has been engaged in efforts of the MERCOSUL and Associated States to prevent, detect and respond to the threat of illicit trafficking of nuclear and radioactive materials, including training courses for border officials, exchange of information and best practices.

#### CONTRIBUTION TO EFFORTS ON HEU MINIMISATION

Brazil has converted all of its nuclear research reactors for the use of low enriched uranium fuel. All highly enriched nuclear fuel elements have been repatriated to the country of origin. The new Brazilian Multipurpose Reactor is being designed also to use LEU.

#### STRENGTHENING OF NUCLEAR AND RADIOACTIVE MATERIAL SECURITY IN TRANSPORT

The National Regulatory Authority (CNEN) has been working with the nuclear industry and other agents having access to radioactive material to improve security standards in the transport of nuclear and radioactive material across the national territory.

#### STRENGTHENING OF NATIONAL NUCLEAR AND RADIOLOGICAL MATERIAL SECURITY SYSTEM

CNEN is revising its regulations on nuclear and radiological security, taking into account international best practices and provisions of the 2005 Amendment of the CPPNM, as well as INFCIRC/225/Rev.5 and other relevant IAEA recommendations.

#### STRENGTHENING THE ROLE OF NUCLEAR INDUSTRY IN NUCLEAR SECURITY

CNEN has been making efforts with the national nuclear industry to strengthen nuclear security culture, through the organisation of workshops, seminars and training courses.

#### ESTABLISHMENT OF CENTRES OF EXCELLENCE

In partnership with the IAEA, the Brazilian Nuclear Physical Security Support Centre was established in 2012 with the aim of training and qualifying personnel in the area of physical security. Since its creation five national courses and one regional course have been conducted.